

Product datasheet for **AP23351PU-N**

Sonic Hedgehog (SHH) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: At 1-2µg/ml with the appropriate system to detect SHH in cells and tissues. Immunohistochemistry on paraffin sections: At 1-2µg/ml to detect SHH in formalin fixed and paraffin embedded tissues. Immunocytochemistry.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to a sequence near the N-terminal of human SHH
Specificity:	This antibody detects Sonic hedgehog (SHH) near N-term. No cross reactivity with other proteins.
Formulation:	5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ State: Aff - Purified State: Lyophilized Ig fraction
Reconstitution Method:	0.2ml of distilled water will yield a concentration of 500µg/ml.
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	sonic hedgehog
Database Link:	Entrez Gene 20423 Mouse Entrez Gene 29499 Rat Entrez Gene 6469 Human Q15465



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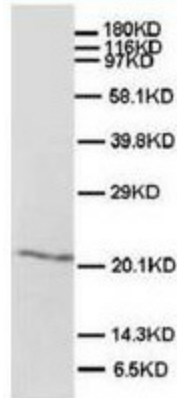
Background: The mouse, chicken, and zebrafish Shh homologs are highly conserved. SHH expression was not detected in adult tissues examined; however, it was expressed in fetal intestine, liver, lung, and kidney. SHH gene is mapped to 7q. SHH mutations are not a frequent cause of isolated oral clefts.

Synonyms: Sonic hedgehog protein, HHG-1

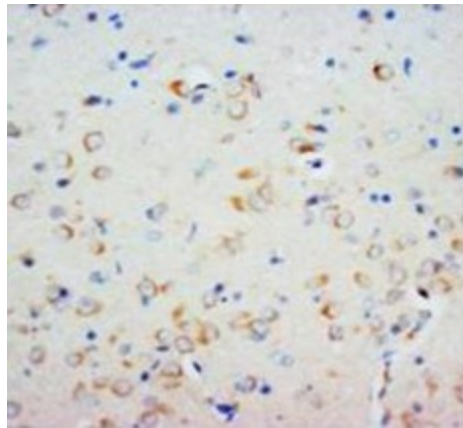
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane

Protein Pathways: Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer

Product images:



Western blot analysis of rat brain tissue lysis using SHH antibody



Immunohistochemical analysis of paraffin embedded rat tissue sections (brain), staining SHH in cytoplasm, DAB chromogenic reaction